
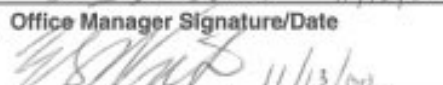
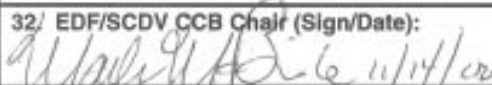
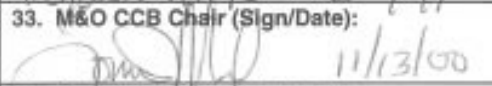


## ECS Configuration Change Request

Page 1 of 4 Page(s)

1. Originator Evan Winston	2. Log Date: 11/13/00	3. CCR #: 00-1083	4. Rev: -	5. Tel: (301) 925-0348	6. Rm #: 2013	7. Dept. DEV/CO
8. CCR Title: TE 5B.06_INGEST.05 to SMC for distribution to all DAACs, PVC and VATC. NCR 28738 EcInReqMgr Hangs; 28576 MODIS AQUA db changes; and 27910 PM1 FDD.						
9. Originator Signature/Date  11/13/00		10. Class	11. Type: CCR	12. Need Date: 11/13/00 14		
13. Office Manager Signature/Date  11/13/00		14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: None		17. Schedule Impact: None		18. CI(s) Affected:INGEST		
19. Release Affected by this Change: 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCR 28738 (28851 and 28912 are duped to 28738) 28576, 27910, 27084, 28062, 09029 (sic!), 24727, 28141.						
23. Problem: (use additional Sheets if necessary) 28576 The MODIS AQUA changes to the data base are needed at GSFC, EDC, and NSIDC - DB Patch #54 (27567 duped to 27576). 27910 PM1 FDD Interface Needs to Be Added to Ingest. 28738 EcInReqMgr hangs (can't communicate with EcInReqMgr) (28912 and 28851 duped to 28738). [Box 23. is continued on page 2 of CCR]						
24. Proposed Solution: (use additional sheets if necessary) Deliver the complete INGEST Subsystem: 28738 - -Correction for SGI 6n32 problems from the INGEST.04 TE.  Generate tar file with solution and distribute to SMC. SMC to deliver to all DAACs, PVC and VATC.						
25. Alternate Solution: (use additional sheets if necessary) Wait for 5B.07 is available.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) INGEST problems will continue to affect DAACs.						
27. Justification for Emergency (If Block 15 is "Emergency"): Ops at the DAACs requires immediate solution. Satisfies # 6, 10, 13 and 14 on the 11/06/00 ECS Top Priority List!!!!						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):  11/14/00			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date):  11/13/00			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

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ECS/EDF/SCDV/M&amp;O

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## ADDITIONAL SHEET

CCR #: 00-1083 Rev: 1 Originator: Evan Winston

Telephone: x0348 Office: 2013

**Title of Change:** TE 5B.06\_INGEST.05 to SMC for distribution to all DAACs, PVC and VATC. . NCR 28738  
EclnReqMgr Hangs; 28576 MODIS AQUA db changes; and 27910 PM1 FDD.

Box 23. Continued from page 1:

Additional NCRs: Since this TE is providing the entire Ingest package, other NCR fixes are included due to merges against the baseline:

28062 Request Manager core dumps when deallocating stagindisk after D3 complete.

09029 (sic!!) INGEST GUI core dumps after hitting return key on Notify FTP password

24727 GSFC/SMC: PAN parameter hinders EDOS ingest

28141 Changes Required to be made to the Mandatory field to the Q

27084 Ingest Regenerate Failed PDR Tool: --- Ingest techs should not need to rerun entire PDRs when only some of the files within fail ingest (see description of this tool detailed below)

CONTENT:

CM: PLEASE,

build SGI (6n32) TAR file for the listed .pkg from 5B.07 baseline and provide to SMC

.EclnAPCSVR.pkg

.EclnINTFCSVR.pkg

build SGI (IRIX65) TAR file for the listed .pkg from 5B.07 baseline and provide to SMC.

.EclnAPCSVR.pkg

.EclnINTFCSVR.pkg

build SUN TAR file for the listed .pkg from the 5B.07 baseline and provide to SMC;

.EclnEMAILSVR.pkg

.EclnGUIOPSWWS.pkg

SMC: Receive the TAR files and make available to the DAACs .

DAAC Install Instructions:

TE is to be loaded on top of INGEST installations of 5B.06.

If 5B.06 installation has not yet been done, you may load this TE's files over top of the 5B.06 INGEST files in the staging area and proceed with normal 5B.06 system installation (replacing the 5B.06 INGEST specific installation instructions with the instruction steps #5 through 7 below).

INSTALLATION:

NOTICE: !!!!!This TE has 2 sets of Tar files for SGI hosts - one to be used with sgi6n32 installs and one to be used with IRIX65 installs!!!!!!

Pick the required TAR file either for sgi6.2 or for IRIX6.5 OS.

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1. Get TAR Files from SMC distribution;  
Make sure you select the SUN TAR file plus the proper SGI TAR files--either for 6n32 or IRIX65.

2. UNTAR the files and copy to the staging area.

3. Modify the file permissions as specified below

```
cd /<distribution_directory>/<stage_directory>/SUN/CUSTOM/dbms
chmod 744 INS/EcInDbLogin
```

4. On a SUN host, use E.A.S.I. to perform automated installation of the INGEST SGI and SUN hosts as follows:

- Select the Mode to be installed
- Enter the location of the staged files
- Select CUSTOM and Click Next
- Click on the "Sort by: Subsystem" button, highlight "INS", and click Next.
- Select Install as the Installation Phase and Click Next
- STAGING AREA will be shown as the Installation Type. Click Next
- Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next.
- Click COMM and ensure all INS (SUN and SGI) hosts turn green, signalling they are communicating with E.A.S.I.
- Click INSTALL and monitor each host. Ensure each INS (SGI and SUN) host turns green signalling a successful installation.

5. Registry updates will need to be made manually for the new EcInRegenFailedDPR script and (only if this part of a 5B.06 installation) EcInPolling servers. Note that the script is installed on both the APC server and the Ingest server and will have to be configured on both platforms:

- Run mkconfig.
- Change to the configuration directory:  

```
cd /usr/ecs/<MODE>/CUSTOM/cfg
```
- Delete all .CFG files except for the EcInRegenFailedDPR .CFG file (Note: If performing 5B.06 installation at the same time, also keep EcInPolling .CFG files).
- Run the EcCoRegistryPopulation tool (/tools/common/ea/EcCoPopulateRegistry) against the .CFG file(s). The syntax is:  

```
EcCoPopulateRegistry <MODE> <hostname> ALL DbServerName DbUserName DbPassword DbName
```

  
AttributeTreeName, where Db parameters refer to the registry database for that mode and AttributeTreeName refers to the Attribute Tree that is mapped to that mode (this can be identified via the Registry GUI).
- Rename all .CFG files \*.CFG.rgy.

6. (Use this step only if performing 5B.06 installation at the same time) Patch the registry database using the .rgypatch file located in /usr/ecs/<MODE>/CUSTOM/installed/INS:

From the ECS Assist Subsystem Manager, select the appropriate Mode, Subsystem, and Component from the main window.

- Select "Registry Data Patch" from the "Tools" menu. An "Apply Registry Data Patch" window will appear.
- In the "Apply Registry Data Patch" window, enter the name of the SQL server in the "Registry Database Server:" box.
- Enter the registry database DBO ID and password, respectively, in the next two boxes.
- In the next ("Registry DB Name:") box, be sure to enter the name of the registry database (EcCsRegistry[\_<mode>]) and press the <ENTER> key. This will cause ECS Assist to connect to the registry database and populate the drop-down menu associated with the next field ("Tree to patch:").
- Use the drop-down menu to select the appropriate registry tree that is being patched (if you don't know which tree to select, bring up the registry GUI and verify which tree is mapped to the mode that you are updating).
- Finally, click on the "Select Patch File" button to bring up the "File Selection Dialog" window.
- Navigate through this window to find the .rgypatch file (note: if your installation was successful, it should appear in the /usr/ecs/<MODE>/CUSTOM/installed/DSS/sdsrv directory).
- Highlight the .rgypatch file in the window and select <OK>.
- Verify that the appropriate information is indicated in the "Patch File:" box in the "Apply Registry Data Patch" window and select <OK>.

7. Apply the INGEST Database patches on the INGEST xxicgx host. Must have DBO privilege to perform this task.:

- Determine the current version of the INGEST database
  - Use isql to access the INGEST database
  - Execute the following  

```
Select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag = "Y"
```
  - Record the value in the EcDbComments field
- Apply the INGEST Database Patch from the SubSystem Manager.
  - Click Database and Select Patch

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b. Select .dbparms

c. In the Database Config Screen enter the next higher number than the number recorded in step a.iii above.

d. Continue to apply the database patches sequentially until the INGEST database is patched to version 56 (56.56).

NOTE: If 5B.06 installation has been completed before installation of this TE then you will only need to apply DB patches 54,55, and 56.

This note should not apply if you have already installed TE 5B.05\_INGEST.04:

NOTE ON DB PATCHES: If you have to install Patch #46 during this process; there will be an error reported with #46.

This error can be ignored (as it is fixed by one of the later patches) or:

To avoid this error message you need to go into Patch #46 and edit lines 49 and 53:

Delete the close paren ")" character at the end of lines 49 and 53, prior to applying Patch 46.

NCR 27084:

Ingest Regenerate Failed PDR Tool:

-----  
This patch delivers a new executable file, the EcInRegenFailedPDR tool. This tool can be used whenever an ingest completes with a partial failure. When the tool is run, it allows operators to generate PDRs for each of the granules which failed so that they can be ingested (once the problem that caused the initial failure is fixed) without re-ingesting the granules that did not fail. To use the tool once a partial failure is identified, follow these procedures:

1. Copy the PAN file for the input PDR into the /usr/ecs/<MODE>/CUSTOM/utilities directory.
2. From the /usr/ecs/<MODE>/CUSTOM/utilities directory, run the tool:

```
setenv ECS_HOME /usr/ecs
EcInRegenFailedPDRStart <MODE>
```

3. Enter 1 to generate PDRs.
4. Enter the name of the PDR file (including its path).
5. Enter the name of the PAN file.
6. Enter the path for the polling directory.
7. A message that the PDR file was successfully created should be displayed. Examine the new PDR file in another window (it will be located in /tmp) and make any changes as needed. Enter y in the window in which the script is running to move the PDR file to the polling directory. This step will be repeated for all failed granules associated with the original PDR.
8. Once the last PDR file is created, a prompt will be displayed to Generate PDRs or Quit. If there are other PDRs to process, enter 1. Otherwise, enter 2 to quit.

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